

TITLE OF THE INVENTION

METHODS FOR TISSUE CULTURING AND
TRANSFORMING ELITE INBREDS OF *ZEa MAYS* L.

ABSTRACT OF THE DISCLOSURE

5 The present invention is directed to methods for the tissue culture and transformation of elite
inbreds of corn (*Zea mays* L.). More specifically, the present invention is directed to a method for
initiating Type II callus from corn tissue. The present invention is also directed to a method for
enhancing the intergration of foreign DNA in the transformation of corn using a heat shock
treatment. The present invention is further directed to a method of transforming elite inbreds of corn
10 using *Agrobacterium*.

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